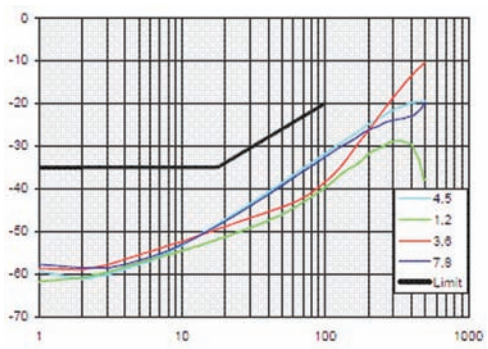
Category 5e Shielded RJ-45 Keystone Jacks

Transmission and Electrical Specifications

Frequency	Insertion Loss		NEXT Loss		FEXT Loss		RL	
MHz	dB		dB		dB		dB	
	Nom	Max	Nom	Min	Nom	Min	Nom	Min
1.00	0.02	0.10	85.0	65.0	77.0	65.0	55.0	30.0
4.00	0.03	0.10	75.0	65.0	65.0	63.1	50.0	30.0
8.00	0.04	0.11	70.0	64.9	60.0	57.0	48.0	30.0
10.00	0.04	0.13	68.0	63.0	58.0	55.1	42.0	30.0
16.00	0.05	0.16	64.0	58.9	54.0	51.0	40.0	30.0
25.00	0.06	0.20	60.0	55.0	50.0	47.1	35.0	30.0
31.25	0.07	0.22	58.0	53.1	48.0	45.2	33.0	30.0
62.50	0.11	0.32	52.0	47.1	42.0	39.1	28.1	24.1
100.00	0.15	0.40	45.0	43.0	38.0	35.1	24.0	20.0

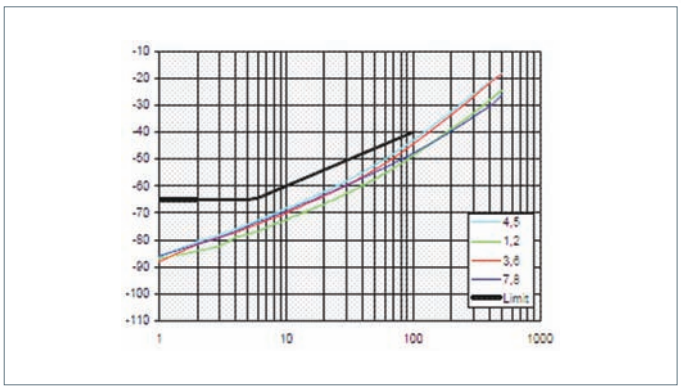
Typical Return Loss (Forward, Component Level)



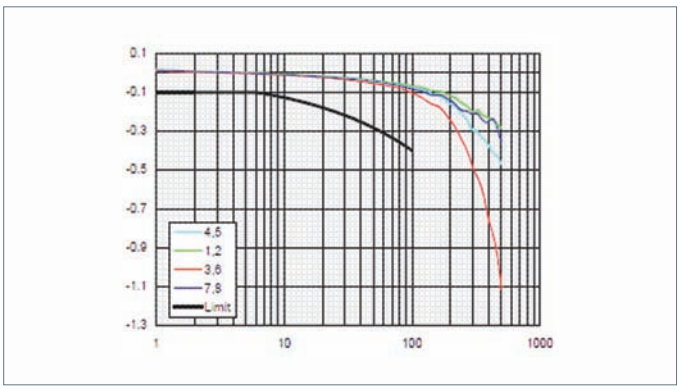
Propagation Delay	2.5 nS max @ 1-100 MHz
Propagation Delay Skew	1.25 nS max @ 1-100 MHz
Current rating	1.5 A max.
Contact resistance	20 mOhm max (per contact)
Input/Output resistance	200 mOhm max
Input/Output resistance Unbalance	50 mOhm max
Voltage rating	72 Vdc max
Dielectric strength	1000 Volts rms for 1 minute
Insulation Resistance	500 MegaOhm min @ 500 Vdc
DC Resistance	0.1 Ohm max @ 20C
TCL	28-20·Log(f/100) dB min @ 1-100 MHz
Transfer Impedance	0.1 Ohm @ 1 MHz, 0.2 Ohm @ 10 MHz, 1.6 Ohm @ 80 MHz max.

Typical Test Results at the Component Level

Worst PS-NEXT



Typical Insertion Loss



Ordering Information

HCS P/N	Description	Termination Blocks	Punch-Down Tool	T568
J5E-00821	8P8C RJ-45 Shielded Keystone Jack CAT 5e	110 IDC	110 IDC	B
J5E-00822	8P8C RJ-45 Shielded Keystone Jack CAT 5e	110 IDC	110 IDC	A
J5E-00823	8P8C RJ-45 Shielded Keystone Jack CAT 5e	110 IDC	110 IDC	UNI
J5E-00824	8P8C RJ-45 Shielded Keystone Jack CAT 5e	110 IDC	LSA Plus/110 IDC	B
J5E-00825	8P8C RJ-45 Shielded Keystone Jack CAT 5e	110 IDC	LSA Plus/110 IDC	A
J5E-00826	8P8C RJ-45 Shielded Keystone Jack CAT 5e	110 IDC	LSA Plus/110 IDC	UNI